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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Alexia BALLAND-LONGEAU et al.

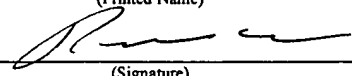
Title: POLYPHENYLENE-TYPE
POLYMERS, PREPARATION
METHOD THEREOF,
MEMBRANES AND FUEL CELL
DEVICE COMPRISING SAID
MEMBRANES

Appl. No.: 10/523,642

Filing Date: 8/4/2003

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

<p align="center">CERTIFICATE OF MAILING</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.</p> <p align="center"><u>Rene Campos</u> (Printed Name)</p> <p align="center"> (Signature)</p> <p align="center"><u>4-4-05</u> (Date of Deposit)</p>

FIRST INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR

§1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

The relevance of the foreign-language documents is described in abstracts which are enclosed. An English translation of the foreign-language documents is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609).

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date 4/4/05

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By Gerald F. Swiss
Gerald F. Swiss
Attorney for Applicant
Registration No. 30,113

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 1, 2005 <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/523,642
				Filing Date	8/4/2003
				First Named Inventor	Balland-Longeau et al.
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	355901-7300
Sheet	1	of	2		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	5,668,245		Marrocco et al.	9/16/1997	
	A2	5,403,675		Ogata et al.	4/4/1995	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	B1	WO	94/24717		Maxdem Incorporated	10/27/1994		
	B2	EP	0 773 248		Maxdem Incorporated	5/14/1997		
	B3	DE	195 35 086		Fraunhofer Ges Forschung [English Abstract]	3/27/1997		
	B4	WO	96/28491		E.I. Du Pont De Nemours and Company	9/16/1996		
	B5	WO	98/55534		Hoechst Research & Technology Deutschland GMBH [English Abstract]	12/10/1998		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶	
	C1	Colon et al. "Coupling of Aryl Chlorides by Nickel and Reducing Metals" <i>J. Org. Chem.</i> 51:2627-2637 (1986)		
	C2	Pasquale et al. "Poly (p-phenylene) Derivatives via Ni-Catalyzed Coupling of Aromatic Dichlorides" <i>Polymer Preprints</i> 38(1):170-171		
	C3	Bloom et al. "Functional Derivatives of Poly(4'-Fluoro-2,5-Diphenylsulfone) Via Nucleophilic Aromatic Substitution" <i>Polymer Preprints, ACS</i> 40(2):567-568		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449B/PTO

Date Submitted: April 1, 2005

(use as many sheets as necessary)

Complete if Known

Application Number	10/523,642
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First Named Inventor	Balland-Longeau et al.
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	355901-7300

Examiner
Initials*Cite
No.¹

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

8

C4	Takahashi et al. "Preparation of curable polyarylenes bearing sulfonic acid for proton-conductive membranes" Chemical Abstract XP002241914 – Database accession no. 135:304937
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**Examiner
Signature**

Date
Considered

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